

**Oracle Utilities Customer Care and Billing
Release 2.3.1**

Utility Reference Model

4.1.1.2c Manage GL Procedures (EBS)

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Oracle Utilities Customer Care and Billing Utility Resource Model 4.1.1.2c, Release 2.3.1

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Chapter 1

Overview

This chapter provides a brief description of the 4.1.1.2c Manage GL Procedures (EBS) business process and associated process diagrams. This includes:

- **Brief Description**
 - **Actors/Roles**

Brief Description

Business Process: 4.1.1.2c Manage GL Procedures (EBS)

Process Type: Sub Process

Parent Process:4.1.1 Develop Financial Procedures

Sibling Processes: 4.2.2.2 Manage Meter Charges, 4.2.2.3 Manage Item Charges, 4.2.2.4 Manage External and Miscellaneous Charges, 4.2.2.5 Manage Loan Charges, 4.2.2.6 Manage Deposit Charges, 4.3.1.1 Manage Payments

This document describes the process that takes place after various Financial Transactions are generated as a result of Billing, Payments or any other financial activity in CC&B and are required to be posted in the company's General Ledger, being maintained through Oracle E-Business Suite Revenue Accounting.

Actors/Roles

The 4.1.1.2c Manage GL Procedures (EBS) business process involves the following actors and roles.

- **CC&B:** The Customer Care and Billing application. Steps performed by this actor/role are performed automatically by the application, without the need for user initiation or intervention.
- **Authorized User (CCB):** CSR or Authorized User of the Customer Care and Billing application.
- **Authorized User (EBS):** CSR or Authorized User of Oracle E-Business Suite for General Ledger and Accounts Payable.
- **BPEL:** Oracle Fusion middleware product, that manages cross-application business processes and coordinates the data flow and data mapping of the integration.
- **EBS:** Oracle E-Business Suite for General Ledger and Accounts Payable.

Chapter 2

Detailed Business Process Model Description

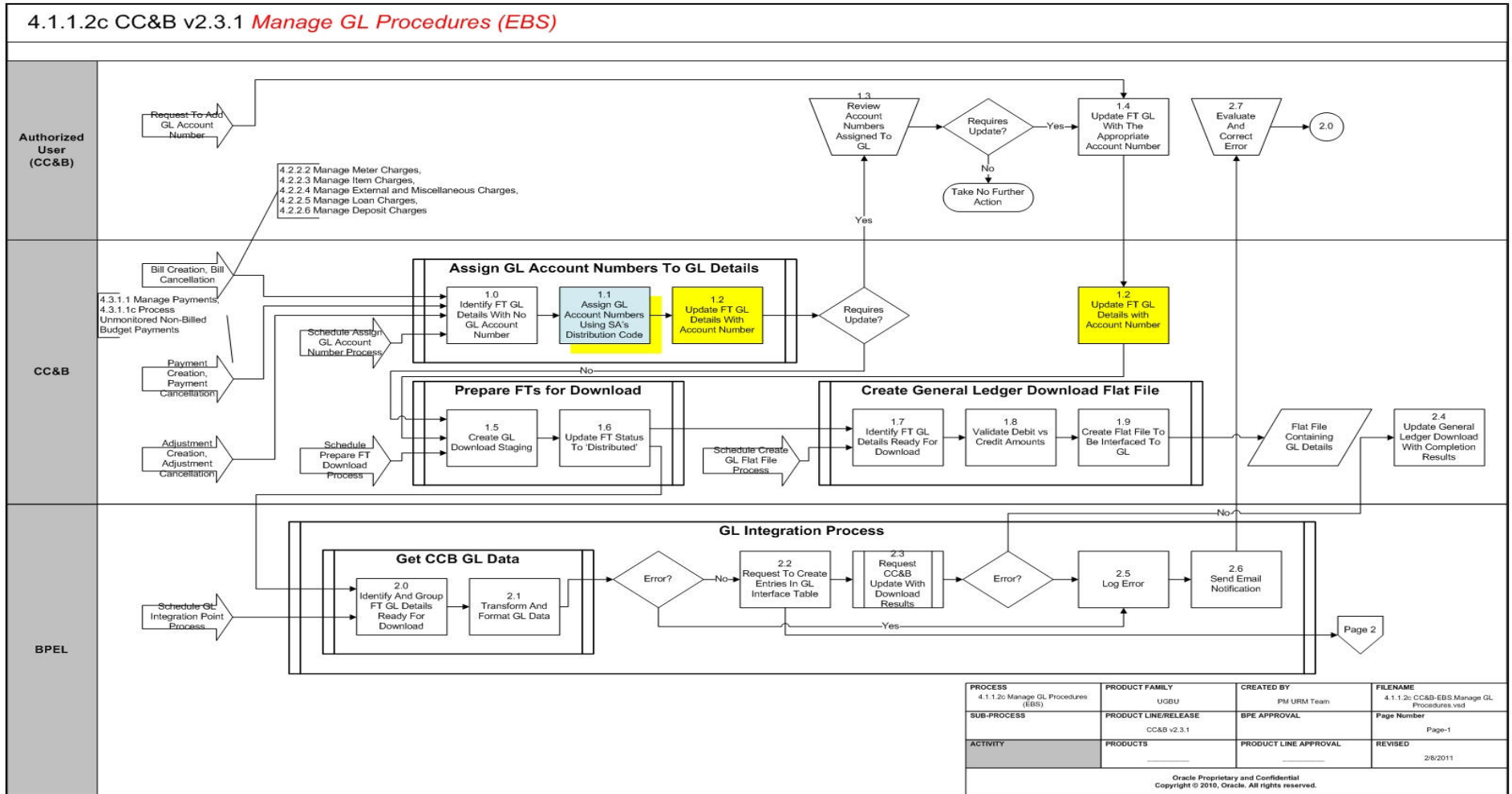
This chapter provides a detailed description of the Manage GL Procedures (EBS) business process. This includes:

- **Business Process Diagrams**
 - **Manage GL Procedures (EBS) Page 1**
 - **Manage GL Procedures (EBS) Page 2**
- **Manage GL Procedures (EBS) Description**
- **GL Integration Configuration**
- **Related Training**

Business Process Diagrams

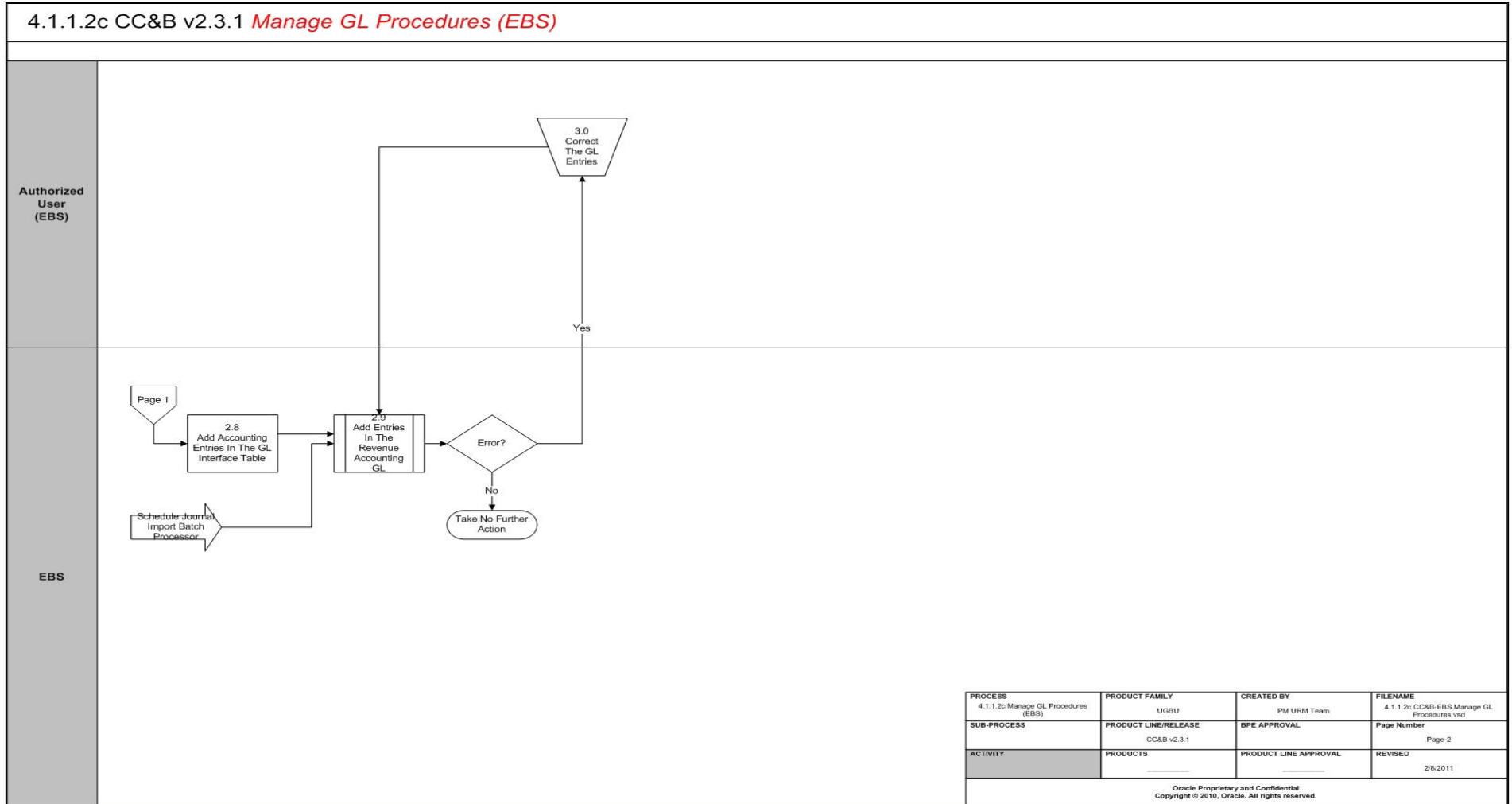
Manage GL Procedures (EBS) Page 1

Page 1



Manage GL Procedures (EBS) Page 2

Page 2



Manage GL Procedures (EBS) Description

This section includes detailed descriptions of the steps involved in the “xxx” business process, including:

- 1.0 Identify FT GL details with no Account Number
- 1.1 Assign GL Account Number
- 1.2 Update FT GL with Account Number
- 1.3 Review Account Numbers assigned to GL
- 1.4 Update FT GL with the correct Account Number
- 1.5 Create GL Download Staging
- 1.6 Update FT status to ‘Distributed’
- 1.7 Identify FT GL Details ready for download
- 1.8 Validate Debit vs Credit Amount
- 1.9 Create Flat File to be interfaced to GL
- 2.0 Identify and group FT GL Details ready for Download
- 2.1 Transform and Format GL Data
- 2.2 Request to Create Accounting Entries in the GL Interface Table
- 2.3 Request CC&B Update
- 2.4 Update General Ledger Download with completion results
- 2.5 Log Error
- 2.6 Send Email
- 2.7 Evaluate and Correct Error
- 2.8 Add Accounting Entries in the GL Interface Table
- 2.9 Add Accounting Entries in the Revenue Accounting GL
- 3.0 Correct the Account Ledger Entry

1.0 Identify FT GL details with no Account Number

See **Manage GL Procedures (EBS) Page 1** for the business process diagram associated with this activity.

Group: Assign GL Account Numbers to GL Details

Actor/Role: CC&B

Description: As a result of any bills, adjustments or payments made, Financial Transactions are created. Each of the Financial Transaction associated to the sibling process has its own GL details. See **Brief Description** for details.

The first step is to select GL details with no account numbers.

Customizable Process

GLASSIGN - Populates GL_ACCT on CI_FT_GL

1.1 Assign GL Account Number

See **Manage GL Procedures (EBS) Page 1** for the business process diagram associated with this activity.

Group: Assign GL Account Numbers to GL Details

Actor/Role: CC&B

Description: Each of the generated FT GL references a Distribution Code. And every Distribution Code references a GL assignment algorithm. The default is to use the GL Account associated with the Distribution Code.

Entities to configure

SA Type
Distribution Code

Available Algorithm

GLCNST-DFLT - Returns GL account defined on
Dist Code Table

Customizable Process

GLASSIGN - Populates GL_ACCT on CI_FT_GL

1.2 Update FT GL with Account Number

See **Manage GL Procedures (EBS) Page 1** for the business process diagram associated with this activity.

Group: Assign GL Account Numbers to GL Details

Actor/Role: CC&B

Description: This step is executed manually or automatically. The GL details are updated with the appropriate account number.

Customizable Process

GLASSIGN - Populates GL_ACCT on CI_FT_GL

1.3 Review Account Numbers assigned to GL

See **Manage GL Procedures (EBS) Page 1** for the business process diagram associated with this activity.

Actor/Role: CSR

Description: Although GL Account Numbers are automatically assigned, the CSR or Authorized User reviews the FT GL details and identifies the need to override the assigned account number, in cases of exceptions or for control purposes.

1.4 Update FT GL with the correct Account Number

See **Manage GL Procedures (EBS) Page 1** for the business process diagram associated with this activity.

Actor/Role: CSR

Description: CSR or Authorized User updates the FT GL with a new Account Number, if required.

1.5 Create GL Download Staging

See **Manage GL Procedures (EBS) Page 1** for the business process diagram associated with this activity.

Group: Prepare FTs for Download

Actor/Role: CC&B

Description: The process selects all FT GL records that: has Distribution Dates within the date that this process is executed, has a financial transaction status of either 'Generated' or 'Modified' and has GL account numbers. Each of the select FT GL detail is added in the staging table for download. And each of the download staging record is stamped with a batch process ID and run number.

Entities to Configure

Installation Options - Financial

Customizable Process

GLS - Create GL download staging

1.6 Update FT status to 'Distributed'

See **Manage GL Procedures (EBS) Page 1** for the business process diagram associated with this activity.

Group: Prepare FTs for Download

Actor/Role: CC&B

Description: The process updates the Financial Transaction to 'Distributed' status. At this point, no updates can be made to the FT GL details.

Customizable Process

GLS - Create GL download staging

1.7 Identify FT GL Details ready for download

See **Manage GL Procedures (EBS) Page 1** for the business process diagram associated with this activity.

Group: Create General Ledger Download Flat File

Actor/Role: CC&B

Description: All records in the staging table ready for download are selected for processing.

Customizable Process

GLDL - GL download extract

1.8 Validate Debit vs Credit Amount

See **Manage GL Procedures (EBS) Page 1** for the business process diagram associated with this activity.

Group: Create General Ledger Download Flat File

Actor/Role: CC&B

Description: Extra validation is performed to ensure that the Debit and Credit amounts match.

Note: It is very rare that this process results in an error. If error occurs, the CSR or Authorized User evaluates and resolves the error.

Customizable Process

GLDL - GL download extract

1.9 Create Flat File to be interfaced to GL

See **Manage GL Procedures (EBS) Page 1** for the business process diagram associated with this activity.

Group: Create General Ledger Download Flat File

Actor/Role: CC&B

Description: At the end of the process, a flat file is created.

Customizable Process

GLDL - GL download extract

2.0 Identify and group FT GL Details ready for Download

See **Manage GL Procedures (EBS) Page 1** for the business process diagram associated with this activity.

Group: Get CC&B GL Data

Actor/Role: BPEL

Description: The first task in the GL Integration is to extract all FT GL Data generated by CC&B. These are data stored in the FT GL Download staging table as a result of running CC&B process GLS. This process reads the CC&B Batch Job Table to check for the latest Batch Job ID and Batch Job Status and this will be the criteria in selecting the FT GL data to process.

Customizable Process

GetCCBGLData

2.1 Transform and Format GL Data

See **Manage GL Procedures (EBS) Page 1** for the business process diagram associated with this activity.

Group: Get CC&B GL Data

Actor/Role: BPEL

Description: The extracted FTs are consolidated and transformed into the GL Data format based on the mapping XSLT.

Note: It is important for both CC&B and E-Business Suite Revenue Accounting to have been initially configured for the integration to be successful. Please refer to **GL Integration Configuration** for details on required configuration.

Customizable Process

GetCCBGLData

2.2 Request to Create Accounting Entries in the GL Interface Table

See **Manage GL Procedures (EBS) Page 1** for the business process diagram associated with this activity.

Group: GL Integration Process

Actor/Role: BPEL

Description: If no exceptions occur during data translation, BPEL loads the formatted GL data into the E-Business Suite GL Interface Table.

Customizable Process

CCBToEBSGLBPELProcess

2.3 Request CC&B Update

See **Manage GL Procedures (EBS) Page 1** for the business process diagram associated with this activity.

Group: GL Integration Process

Actor/Role: BPEL

Description: BPEL updates the CC&B Batch Run Number to indicate that the FT GL Data have been extracted and loaded to E-Business Suite successfully.

Customizable Process

CCBToEBSGLBPELProcess

2.4 Update General Ledger Download with completion results

See **Manage GL Procedures (EBS) Page 1** for the business process diagram associated with this activity.

Actor/Role: CC&B

Description: Batch Run Number is updated for the GL Download Batch Process and this will be stamped on the next set of GL Details to be downloaded.

2.5 Log Error

See **Manage GL Procedures (EBS) Page 1** for the business process diagram associated with this activity.

Group: GL Integration Process

Actor/Role: BPEL

Description: If errors occur during extraction of the Financial Transactions from Oracle Utilities Customer Care and Billing tables or during loading these entries into Oracle E-Business Suite GL Interface table, BPEL inserts the error into an error log table.

Customizable Process

CCBToEBSGLBPELProcess

2.6 Send Email

See **Manage GL Procedures (EBS) Page 1** for the business process diagram associated with this activity.

Group: GL Integration Process

Actor/Role: BPEL

Description: Error notification process, if configured, will notify users by email of an error and the details associated with that error condition.

Note: No user interface is currently provided for the Error Log Table.

Customizable Process

CCBToEBSGLBPELProcess

2.7 Evaluate and Correct Error

See **Manage GL Procedures (EBS) Page 1** for the business process diagram associated with this activity.

Actor/Role: CSR or Authorized User (CC&B)

Description: The recipient of the email looks through the information sent in the email detailing the records with error. Error correction is done manually.

2.8 Add Accounting Entries in the GL Interface Table

See **Manage GL Procedures (EBS) Page 2** for the business process diagram associated with this activity.

Actor/Role: EBS

Description: Data processed by BPEL is added in the GL Interface Table. This is the table that holds all accounting data imported from other systems into E-Business Suite Revenue Accounting GL.

2.9 Add Accounting Entries in the Revenue Accounting GL

See **Manage GL Procedures (EBS) Page 2** for the business process diagram associated with this activity.

Group: Journal Import Processor

Actor/Role: EBS

Description: This process validates and converts the import data into Accounting Entries within the GL application.

Note: This process may be invoked manually or by using the E-Business Suite process scheduler.

Customizable Process

Journal Import Processor

3.0 Correct the Account Ledger Entry

See **Manage GL Procedures (EBS) Page 2** for the business process diagram associated with this activity.

Actor/Role: CSR or Authorized User

Description: CSR or Authorized user manually corrects the entries not successfully loaded in the Revenue GL table and reruns the Journal Import Processor.

GL Integration Configuration

The integration between Oracle Utilities Customer Care and Billing and Oracle E-Business Suite Revenue Accounting Financials incorporates three integration points to facilitate transfer of information between the two applications. Configuration must be completed for all involved products to prepare the integration product for use.

The following sections describe how to configure each area for each integration point:

- **Oracle E-Business Suite Revenue Accounting Configuration**
- **Oracle Utilities Customer Care and Billing Configuration**

Oracle E-Business Suite Revenue Accounting Configuration

Configure GL accounts (Accounting Flexfield), and other information in Oracle E-Business Suite.

GL Integration Configuration

As long as the Accounting Flexfield and respective segments and other GL definitions and settings (Ledger) are configured in Oracle E-Business Suite, there are no new settings required for the GL integration point.

Oracle Utilities Customer Care and Billing Configuration

GL Integration Point

To enable this integration point you must configure the following information in Oracle Utilities Customer Care and Billing.

Configure GL Division

If you decide to integrate the financial transactions for a specific GL Division in Oracle Utilities Customer Care and Billing to E-Business Suite, identify the GL Division.

Configure Distribution Codes

You must map your distribution codes in Oracle Utilities Customer Care and Billing with the appropriate GL Accounts in the Oracle E-Business Suite Revenue Accounting GL. First configure the distribution codes and then assign them to various entities within the Oracle Utilities Customer Care and Billing applications.

Oracle Applications GL accounts are structured using account segments. These are set up in your existing Oracle E-Business Suite Revenue Accounting system according to your business practices. Oracle Utilities Customer Care and Billing distribution codes must be configured to mirror the segments & Values in Oracle E-Business Suite Revenue Accounting. The segment positions are fixed in Customer Care and Billing so that the first segment is Account, the second segment is Department ID, and so on, as shown in the following table.

Oracle E-Business Suite Revenue Accounting Account Column name	Oracle Utilities Customer Care and Billing Distribution (GL_ACCT) segment position
Company	Position1
Department	Position2
Account	Position3
Sub-Account	Position4
Product	Position5

A sample GL Account string is 01-520-5250-0000-000

When interpreted by the standard mapping in the product this GL Account String in the sub ledger equates to the following in the Oracle Applications GL:

When interpreted by the standard mapping in the product this GL Account String in the sub ledger equates to the following in the Oracle JD Edwards EnterpriseOne Financial Management GL:

- Company - 01
- Department - 520
- Account -5250
- Sub-Account - 0000
- Product -000

Note: Only fields relevant to the integration are included in this table.

Field Label	Value	Comment
Distribution Code	Example: R-ELERES	The distribution code to be used for financial transactions of a certain type.
Description	Example: Electric residential revenue	A description of how the distribution code is used.
GL Account Algorithm	GLCNST-DFLT	The standard product, or customer modified, algorithm you use for determining the GL Account String from the distribution code.
GL Account Details	1 of 1	Create at least one set of account details as needed by your chosen algorithm above. Only one will be used based on status and effective date.
Effective Date	01-01-1900	The date you wish the following GL Account string to become active and used by the system, and therefore, the integration software.
Status	Active	Only active status accounts will be used by product and therefore, the integration.
GL Account	01-520-5250-0000-000	Input the GL Account String as explained above.

Note: Only fields relevant to the integration are included in this table.

Configure GLASSIGN, and GLS for Oracle Utilities Customer Care and Billing Extract

To successfully execute extracts from Oracle Utilities Customer Care and Billing, two processes must be configured with the appropriate batch parameters and set to run on a scheduled basis. These processes can be scheduled using the Oracle Utilities Customer Care and Billing scheduling tool or an enterprise scheduler that meets the open architecture standards used by Oracle Utilities Customer Care and Billing.

Related Training

The following User Productivity Kit (UPK) modules provide training related to this business process:

- Oracle Utilities UPK for Customer Care and Billing, Administrative Setup
- Oracle Utilities UPK for Customer Care and Billing, User Tasks